

REMARKS

For convenience of amendment, the previously pending claims have been cancelled in favor of newly presented claims 13 - 16. These claims are drafted in accordance with U.S. claim style and incorporate idiomatic English.

The present invention is directed to a process for curing photopolymer to form a photopolymer plate. In accordance with the process, radiation curing is effected from only one side of the photopolymer. In order to provide a base relief and a printing relief through the thickness of the plate, the applied radiation is modulated. In the illustrated embodiment, a digital device or an analogic film device is used to establish desired areas of half tone of gray to impose a lower level of radiation on desired areas of the photopolymer to form the base relief and one or more transparent or white areas for providing a high level of radiation to form the printing relief.

Claim 13 is directed to the curing process and requires radiation exposure from one side only of the photopolymer. The radiation is modulated to cure a thickness of base relief and a thickness of printing relief. The exposure is applied from the plate side remote of the printing relief.

Claim 14 is directed to the step of simultaneously forming the base relief and the printing relief.

Claim 15 further limits the modulation step to include positioning a radiation modulation device between the source of radiation and the photopolymer. The claim further provides that the modulation may be determined by a digital device or an analogic film device with the use of half tone of gray.

Claim 16 is specific to the use of the same radiation exposure time for curing the printed relief and the base relief.

The prior rejection of the claims under 35 USC 112, second paragraph, is rendered moot by the cancellation of claims 7 - 12.

Applicant's attorney wishes to thank the Examiner for the careful consideration given to this application.

If there are any further fees required by this amendment not covered by the enclosed check, or if no check is enclosed, please charge the same to Deposit Account No. 16-0820, Order No. 37862.

Respectfully submitted,

By: 

Joseph J. Corso, Reg. No. 25845

1801 East Ninth Street
Suite 1200
Cleveland, Ohio 44114-3108

(216) 579-1700

June 23, 2006